



## Nimir Specialty Chemicals FZE

### INO-SIZE 810

Acrylic based sizing agent specially developed for warp yarns composed of cellulosic fibers and their blends with polyester.

Nature:	Polyacrylate
Ionicity:	Anionic
Physical Form:	Pale yellow to yellow liquid
Odour:	Acrylic odour
pH as supplied:	8 ± 0.5
Storage:	Shelf life up to 12 months subject to storage in sealed containers away from direct sunlight.
Compatibility:	Compatible with nonionic and anionic products.

#### Principal Properties:

- Forms a tough, flexible film which has excellent adhesion to yarns.
- Excellent wetting and penetration of yarn.
- Outstanding cohesive nature which improves the cohesion of starch, poly vinyl alcohol blends
- Gives very smooth film resulting high weaving efficiency.
- Highly concentrate, easy to mobile liquid.
- Good stability to water hardening substances.
- Readily washed out in the subsequent desizing process.
- Does not skin or foam.

#### Action:

Sizing efficiency highly depends upon the following factors:

Cohesion:	the strength of the size film
Adhesion:	the strength of the bond of the size to the fibre
Film Homogeneity:	Even distribution of all components ensuring high efficiency in sizing and weaving.
Washing:	Easily removable during desizing.

INO-SIZE 810 is specially engineered to imparts all these properties in the sizing recipes. By increasing cohesion, adhesion, film homogeneity and removability, INO-SIZE 810 gives excellent sizing effects and weaving performance.

## Application:

Guideline recipes for 1000 liters prepared liquor:

Count	60s	40s	7s	7s
Substrate	Cotton	Polyester Cotton	Cotton (Ring slub)	Cotton (Open end)
Water	800 parts	800 parts	900 parts	900 parts
Starch	100-110 parts	100-120 parts	90-95 parts	90-100 parts
Poly Vinyl Alcohol	40-45 parts	35-40 parts	4-5 parts	-
Ino-size 810	35-40 parts	30-35 parts	12-15 parts	12-15 parts
Softener	4-5 parts	4-5 parts	3-4 parts	2-3 parts
<b>Refractometer Value</b>	<b>13.5-14.5 %</b>	<b>14-15%</b>	<b>8-9%</b>	<b>7.5-8.5%</b>

## Packing:

INO-SIZE 810 is supplied in 160 Kg drums.

## Safety:

Due attention should be given to the precautions for handling chemicals provided in our Material Safety Data Sheet.

## Remarks:

The information submitted in this publication is given in good faith but without warranty. In view of the many factors that may affect the application, users are recommended to carry out their own trials to determine the suitability of the product for their practical requirements. We cannot accept responsibility for any damage or loss resulting from the use of this information.